Claims

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[c1]	An Ethernet switch comprising: a plurality of ports, said switch configured to be operable within a temperature range of at least between approximately 0 °C and approximately 60 °C, said further configured to be operable within a non-condensing humidity range of at least between approximately 10% and approximately 95%, said switch further configured to support at least one of a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), and a Spanning Tree.
[c2]	A switch in accordance with Claim 1 further configured to be stackable with a second switch.
[c3]	A switch in accordance with Claim 1 further configured to transmit data at a speed of at least one Gigabyte per second.
[c4]	A switch in accordance with Claim 1 further configured to operate substantially at wire speed.
[c5]	A switch in accordance with Claim 1 further configured to be operable under an extended vibration of at least 2g (gravity).
[c6]	A switch in accordance with Claim 5 further configured to be operable under a shock vibration of at least 4g.
[c7]	A switch in accordance with Claim 1 further configured to support a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), a Simple Network Management Protocol (SNMP), and a Spanning Tree.
[c8]	A switch in accordance with Claim 7 further configured to: be stackable with a second switch; be operable under an extended vibration of at least 2g (gravity); and be operable under a shock vibration of at least 4g.
[c9]	A switch in accordance with Claim 8 further configured to operate substantially at wire speed.

[c10]
A switch in accordance with Claim 9 further configured to transmit data at a speed

APP_ID=09682883

of at least one Gigabyte per second.

[c11] An Ethernet switch comprising:

a plurality of ports, said switch configured to:

support a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote

Monitoring (RMON), and a Spanning Tree;

transmit data at a speed of at least one Gigabyte per second;

be operable within a temperature range of at least between approximately 0 $^{\circ}$ C

and approximately 60 °C;

be operable within a non-condensing humidity range of at least between

approximately 10% and approximately 95%;

be stackable with a second switch; and

be operable under an extended vibration of at least 2g (gravity).

[c12] An Ethernet network comprising:

a first switch; and

a plurality of user devices operationally coupled to said first switch such that said

first switch transfers data from at least one of said devices to a different one of

said devices, said first switch configured to:

be operable within a temperature range of at least between approximately 0 ° C

and approximately 60 °C;

be operable within a non-condensing humidity range of at least between

approximately 10% and approximately 95%; and

support at least one of a Virtual Local Area Network (VLAN), a Quality of Service

(QoS), a Remote Monitoring (RMON), and a Spanning Tree.

[c13] A network in accordance with Claim 12 further comprising a second switch

operationally coupled to said first switch, said second switch and said first switch

configured to cooperatively operate as one switch.

[c14] A network in accordance with Claim 12 wherein said first switch further configured

to transmit data at a speed of at least one Gigabyte per second.

[c15] A network in accordance with Claim 12 wherein said first switch further configured

to be operable under an extended vibration of at least 2g (gravity).

APP ID=09682883 Page 8 of 12

[c16] A network in accordance with Claim 15 wherein said first switch further configured to be operable under a shock vibration of at least 4g. [c17] A network in accordance with Claim 12 wherein said first switch further configured to support a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), and a Spanning Tree. [c18] A network in accordance with Claim 17 wherein said first switch further configured to: be stackable with a second switch; be operable under an extended vibration of at least 2g (gravity); and be operable under a shock vibration of at least 4g. [c19] A network in accordance with Claim 18 wherein said first switch further configured to operate substantially at wire speed. [c20] A network in accordance with Claim 19 wherein said first switch further configured to transmit data at a speed of at least one Gigabyte per second.

APP_ID=09682883 Page 9 of 12